Special Interest Meetings

The following special interest meetings were conducted during the conference. These meetings were intended to provide more informal and interactive forums for discussing key spatial technology issues and to provide an opportunity for individuals to relate organizational experiences, challenges, and directions with regard to spatial technologies and coastal management.

Scroll down and click on a **blue paper title** to view that paper. To return to this listing after viewing a paper, click the **Go to Previous View** button in the top frame.

Topography/Bathymetry Meeting
January 10, 10:00 - 11:30 a.m.

Continuous elevation data across the land-water interface are critical for accurate storm surge modeling, hurricane evacuation planning, port management, habitat restoration, and many natural resource planning activities in the coastal zone. The integration of topography and bathymetry (topo/bathy) has proven problematic for many geospatial data users. This special session discussed new strategies and tools for coastal topo/bathy data development. It also sought opinions with respect to the most user-friendly form in which to deliver such tools and associated databases to coastal managers who work in a GIS environment, so that they can easily blend their own recent high-resolution bathy and/or topo data into a digital elevation model (DEM) framework created by a National Oceanic and Atmospheric Administration (NOAA) and U.S. Geological Survey (USGS) partnership. Presentations included:

NOAA-USGS BATHY/TOPO/SHORELINE TAMPA BAY DEMONSTRATION PROJECT
B. Parker, NOAA Coast Survey Development Laboratory, Silver Spring, MD; R. Berry, USGS National Mapping Division, Reston, VA; C. Fowler, NOAA Coastal Services Center, Charleston, SC; J. Bailey, NOAA National Geodetic Survey, Silver Spring, MD

DEVELOPMENT OF A SEAMLESS BATHYMETRIC/TOPOGRAPHIC ELEVATION MODEL FOR TAMPA BAY
D. Gesch, USGS/EROS Data Center, Sioux Falls, SD; R. Wilson, NOAA Coast Survey, Silver Spring, MD

COMBINATION OF TOPOGRAPHY AND BATHYMETRY THROUGH APPLICATION OF CALIBRATED VERTICAL DATUM TRANSFORMATIONS IN THE TAMPA BAY REGION
D. Milbert, NOAA National Geodetic Survey, Silver Spring, MD; K. Hess, NOAA Coast Survey, Silver Spring, MD

This meeting was coordinated by Bruce Parker (*Bruce.Parker@noaa.gov* or 301-713-2801 x121) of the NOAA National Ocean Service.

FGDC Marine and Coastal Spatial Data Subcommittee Meeting
January 11, 9:00 a.m. - 1:00 p.m.

The purpose of this special meeting of the Federal Geographic Data Committee (FGDC) Marine and Coastal Spatial Data Subcommittee was to bring together state, local, and private sector people interested in the activities of the subcommittee. The goal of the subcommittee is to promote the development, use, integration, and understanding of data needs for the marine and coastal data user community. Items covered during the meeting included a summary of 2000 accomplishments; a discussion on the status of national marine and coastal framework data sets; a presentation on developing a national watershed database, including the coastal zone; an introduction to the recently formed FGDC Marine Boundary Working Group; an update on standards under development by the subcommittee; and a discussion on funding opportunities for state, local, and private sector participants. This meeting was coordinated by David Stein (*Dave.Stein@noaa.gov* or 843-740-1310) of the NOAA Coastal Services Center.

Applications of C-CAP Land Cover/Change Data for Coastal Management
January 11, 9:00 - 11:00 a.m.

This meeting presented current plans for developing and enhancing applications of Coastal Change Analysis Program (C-CAP) data, and provided a discussion forum for improving the usefulness and accessibility of these image data products. This meeting provided an opportunity for participants to discuss C-CAP data and applications issues and suggest how the NOAA Coastal Services Center can improve and enhance its products. This meeting was coordinated by Dorsey Worthy (*Dorsey.Worthy@noaa.gov* or 843-740-1234) of the NOAA Coastal Services Center.

GIS Applications for Natural Hazards Reduction
January 11, 9:00 - 11:00 a.m.

This special session discussed new GIS applications developed by various federal agencies and their contractors to enhance natural disaster response, recovery, and mitigation activities. The session encouraged feedback and suggestions for other natural hazards reduction applications to meet the needs of state and local resource managers. Presentations included:

GIS AS A TOOL FOR NATURAL HAZARDS RESPONSE, RECOVERY, AND MITIGATION THROUGH THE FEDERAL RESPONSE PLAN

D. Lawson, FEMA Region 4, Atlanta, GA

GIS APPLICATIONS IN PRE- AND POST-DISASTER SCENARIOS (FEMA REPETITIVE FLOOD LOSS GIS APPLICATION)

B. Loar, FEMA Region 4, Atlanta, GA; C. Potts, Dewberry and Davis, Fairfax, VA

GIS APPLICATIONS IN PRE- AND POST-DISASTER SCENARIOS (HURRICANE DEBRIS PREDICTION GIS APPLICATION)

A. Groover, Dewberry & Davis, Atlanta, GA

COASTAL RISK ATLAS

R. Jackson, NOAA Coastal Services Center, Charleston, SC

This meeting was coordinated by Russell Jackson (*Russell.Jackson@noaa.gov* or 843-740-1188) of the NOAA Coastal Services Center.

Coastal Applications of LIDAR and Digital Imaging Technology
January 11, 9:00 - 11:00 a.m.

This special interest meeting provided valuable insight into LIDAR and digital imaging technologies. The advantages of these technologies over traditional surveying and photogrammetry methods was discussed, and current and future coastal applications were identified. Enerquest Systems began the meeting with a presentation by Don Wicks on "The Current Status of Lidar and Digital Imaging Technology." Real world examples of tools, products, and customer applications were shared and data acquisition, processing, and analysis techniques were discussed. This meeting was coordinated by David Caldwell (*dcaldwell@enerquest.com* or 303-298-9847) of Enerquest Systems, LLC.